

# Austin Hale

## Contact Information

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## Executive Summary

- Recent computer science graduate with experience building full-stack mobile and web applications
- Experienced in full-stack web development using various technologies such as Typescript/JS, React, NodeJS
- Wide range of experience using different languages and ability to learn new technologies very quickly
- Leadership and agile/scrum experience as a project manager of multiple mobile development teams

## Education

### Texas A&M University – Commerce

Graduated August 2023

- Bachelor of Science in Computer Science
- Officer – Science, Technology, and Computing Club (STACC)

## Work Experience

### Security, Privacy, and AI Research Lab (SPAIRL)

### Project Manager / Mobile Developer

June 2023-Present

- Collaborating with a professor and colleagues for a research lab to design a contacts application for issuing and storing verifiable credentials to show cryptographically verified ownership of social media accounts
- Conceptualized and wrote detailed documentation for a novel decentralized identity method called did:suri
- Working as a frontend developer, created a web wallet application that allows the user to input details about themselves or their organization, then generates their profile of cryptographic and identity information
- After pivoting design decisions, currently creating the mobile version of the wallet application in React Native using Expo and as the lead developer, creating components, hooks, and functionality for the mobile wallet

## Project Experience

### [Machine Learning Malware Classification](#)

Python (Sklearn, Pandas, Jupyter, Matplotlib etc.)

- Using Python, trained 4 machine learning models on a dataset that analyzed computer software's activity
- The models were successfully able to differentiate malicious software with up to 98% accuracy
- In a Jupyter notebook, wrote scripts and markdown to detail each model and charted differences/efficiency

### [BudgetSurf](#)

Mongo, Express, React, Node

- Tamuhack 2023 24-hr hackathon project – collaborated with team of 3 to create a website for budgeting money and expenses, aimed to help students graduating and entering the workforce to better manage their money
- As a frontend developer, created interactive webpages for accessing data in a simple, efficient fashion

### [PutMeOn](#)

React Native, TailwindCSS, Typescript, Firebase, Yarn, Expo

- Lead a team of 5 colleagues in creating a deployment-ready music recommendation application for iOS/Android
- As project manager, managed agile development of project with Atlassian Jira and managed workflow of project
- As a developer, used React Native with Typescript to create screens with reactive features and API integration
- On the backend, created the Firebase Realtime DB and linked it with the application, and coordinated DB usage

### [SURI](#)

React Native, Typescript, Expo

- Wallet application for storing user data and verifying ownership of online accounts for use in a contacts app
- The SURI application suite consists of 3 parts: NodeJS server, React website, and React Native wallet app
- As the lead developer of the project, currently creating the mobile application with custom hooks and components for storing data and calling APIs to verify ownership of online accounts
- In the near future, will also be deploying the application on the Apple and Android app stores

## Proficient Languages/Technologies/Frameworks

- React Native/React, Expo, JavaScript, TypeScript, HTML/CSS, Agile, Scrum, Git, SQL, Python, C#, C++